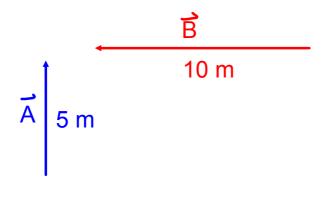
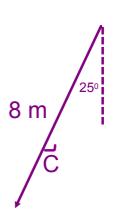
Resultant Vectors (Vector Addition) Graphical Method

Goal for this class:

- 1.To add/subtract vectors graphically
- 2. To find a resultant vector

Scale 1 cm = 1 m

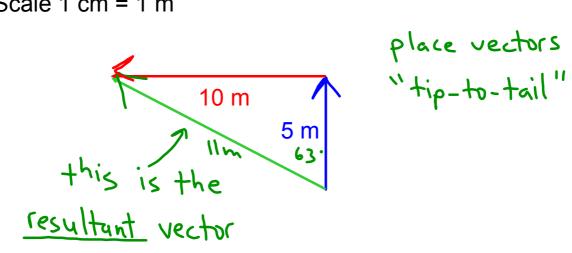




ر What would -A look like?

What might A + B look like?

Scale 1 cm = 1 m

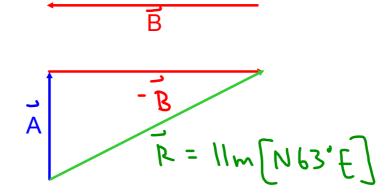


- Measure the length of the arrow - use protractor for direction

$$A+B=R$$

What might $\vec{A} - \vec{B}$ look like? we can only add vectors but $\vec{A} - \vec{B} = \vec{A} + (-\vec{B})$

Scale 1 cm = 1 m

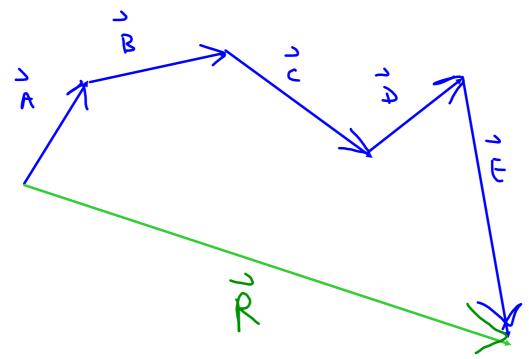


When you add two vectors together, the result is a new vector, called the **resultant**.

We can add vectors, graphically or algebraically.

Graphical method: Tip-to-tail

- place vectors tip-to-tail so that they form a continuous path
- draw new arrow, the **resultant**, from the start to the end of the path



Add 15 m [N15°E] and 20 m [W10°N].